



ACCESS
MANAGEMENT
PLAN

Spring Workshop

JUNE 2016



PROJECT PURPOSE AND NEED

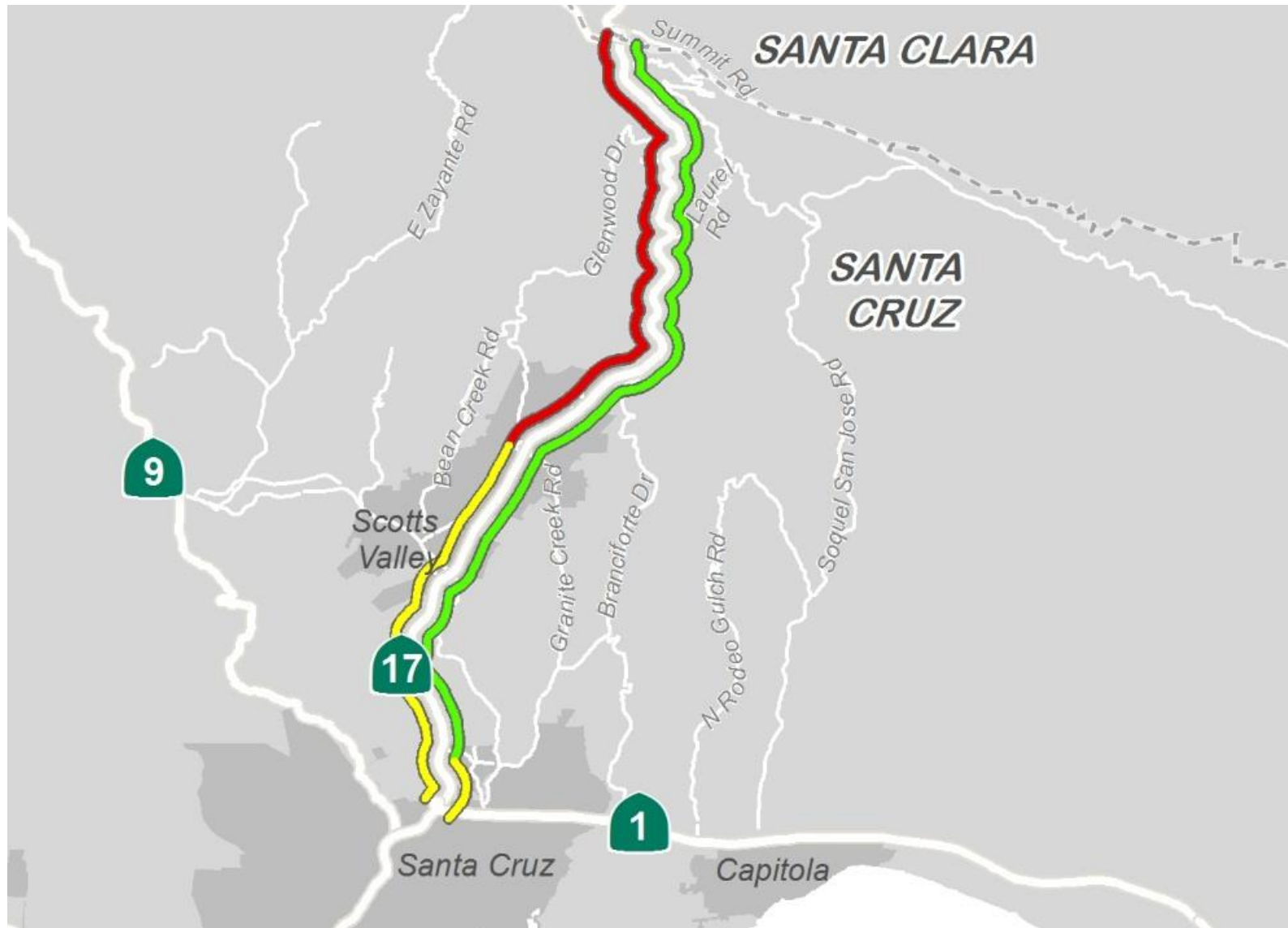


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Study Area



Purpose and Need

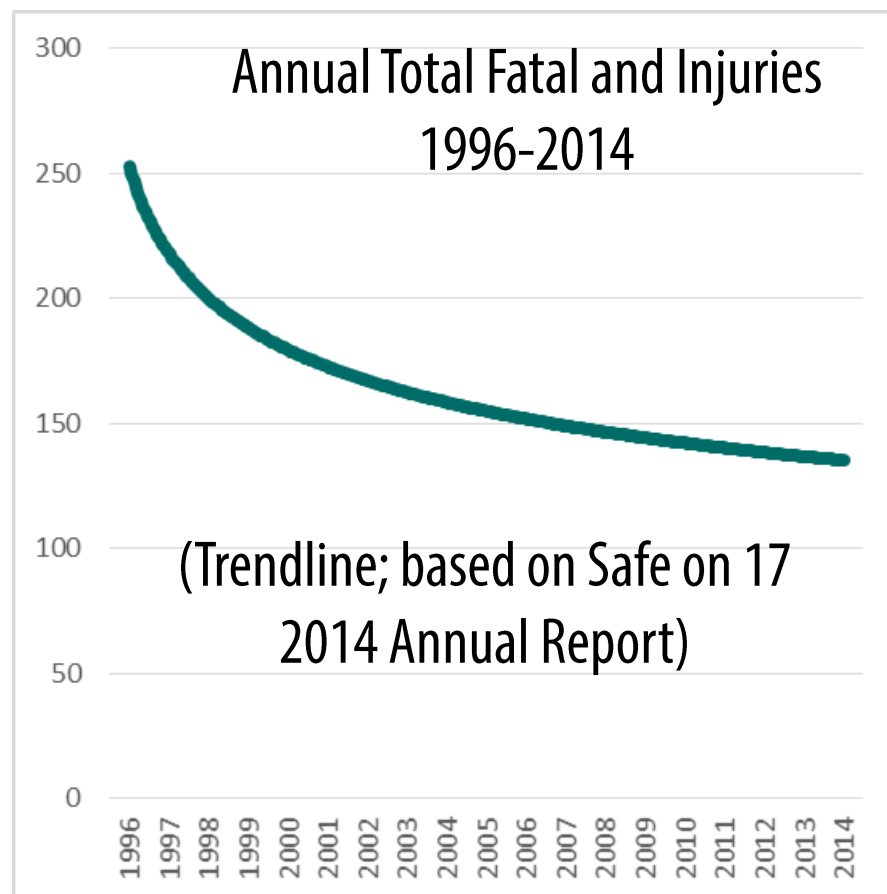


Purpose and Need

SAFE ON 17

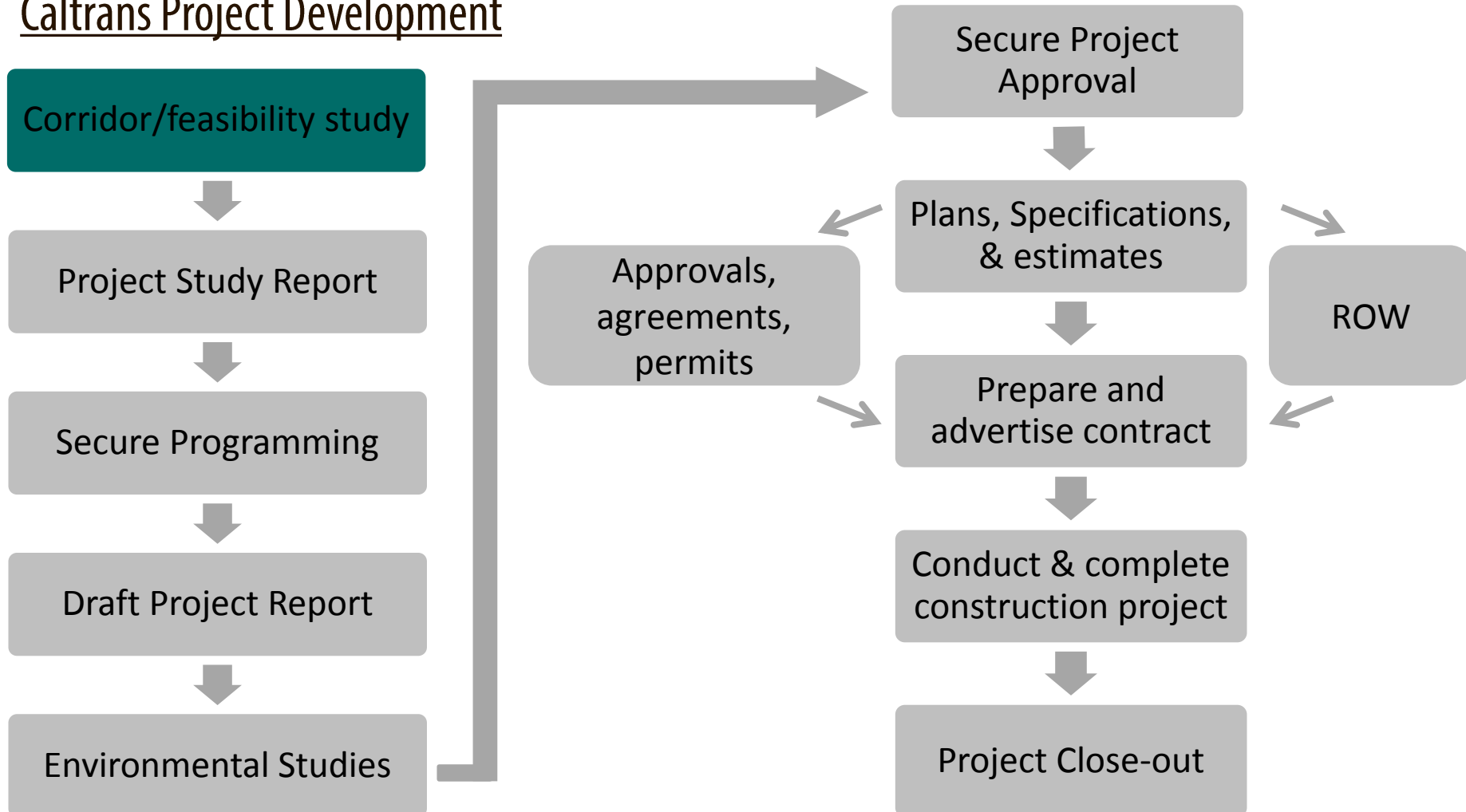
40%

Decrease in injury and fatal collisions from pre-program average



Next Steps

Caltrans Project Development



PUBLIC OUTREACH SUMMARY



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Website Launch

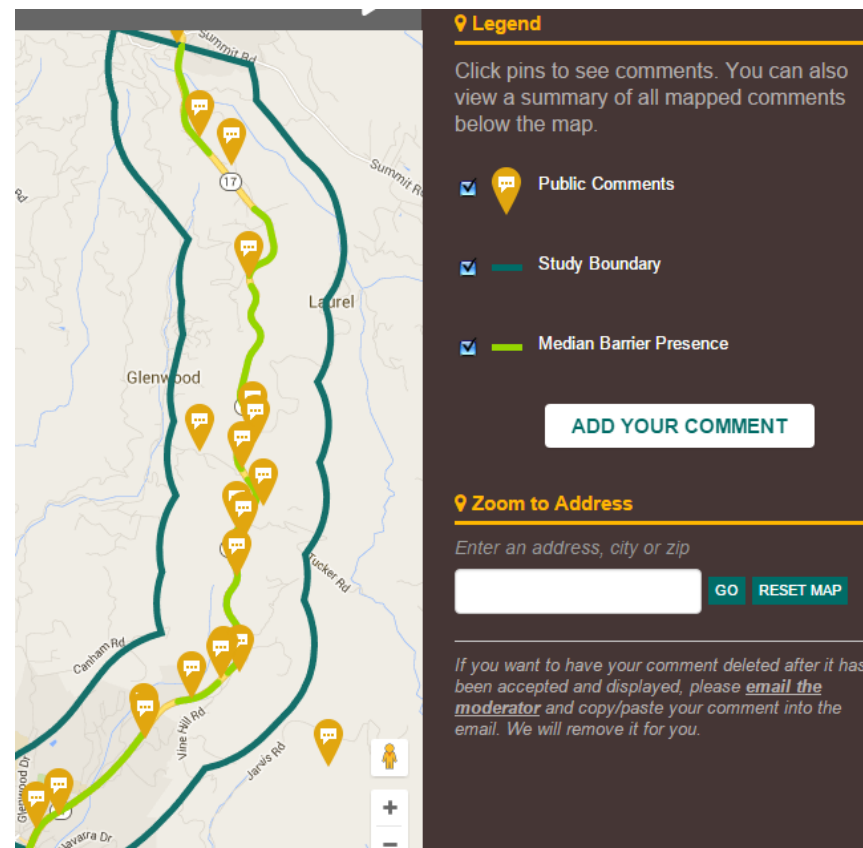
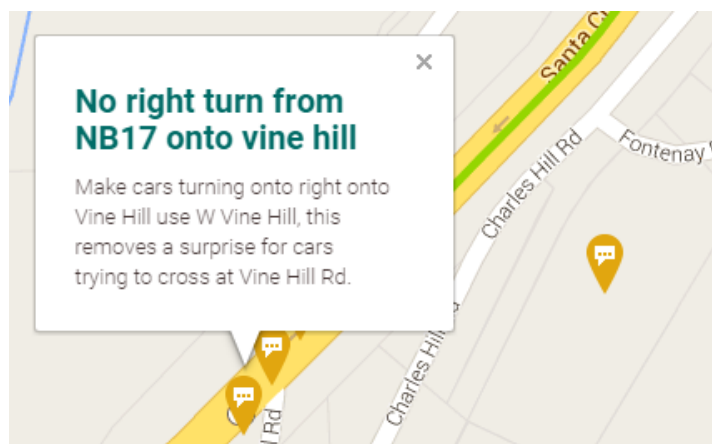
- Study basics
- Reference info
- Online activities
- Workshop materials

CA-HWY17AMP.ORG




Interactive Mapping Activity

- Geo-based input
- Uses Google maps
- More precise input



Online Survey

- Reach communities beyond adjacent neighborhoods



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Highway 17 Access Management Plan 2016 Survey

SECTION 1 - TRAVEL USE

Please tell us a little about your familiarity and travel use on Highway 17.

1. How familiar are you with Highway 17 over the Santa Cruz mountains?

☐ Not at all familiar

☐ Slightly familiar

☒ Moderately familiar

☐ Very familiar

nodes of travel on Highway 17?

Highway 17?

☐ I drive on Highway 17 as part of my work duties

☐ Recreation/leisure

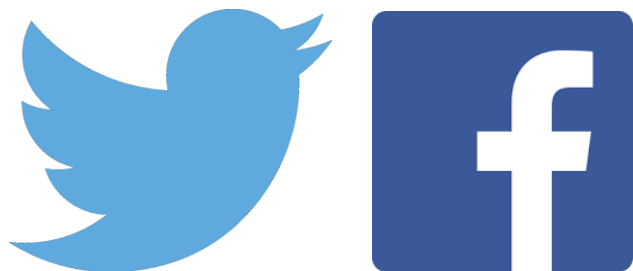
Other (please specify)

11. Ranking on a scale from 1 (not effective) to 5 (very effective), how effective do you consider the following improvements to Highway 17?

	1- Not Effective	2	3-	4	5- Very Effective
Installing a median barrier	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Removal of left hand turns	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Closing of private driveways	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Better Striping of roadways	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improved Road Signage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Stronger CHP Enforcement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased Mobile Traffic Alert Signs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Open Communication

- Establishing project-based communication



Contact us

Please use the form below to send us your questions or comments on the Highway 17 Access Management Plan. If you prefer, you may also [email us](#) directly.

Please let us know who you are

Name (optional)

Email (optional)

Organization (optional)

Your Comment

Subject (optional)

Comment (required)

Public Workshops

- Initial round of workshops



Preliminary Findings

- Concerns
 - Crossing the highway
 - Local network detours
 - Speeding, tailgating, cell phone use, etc.
 - Trucks
 - Multimodal

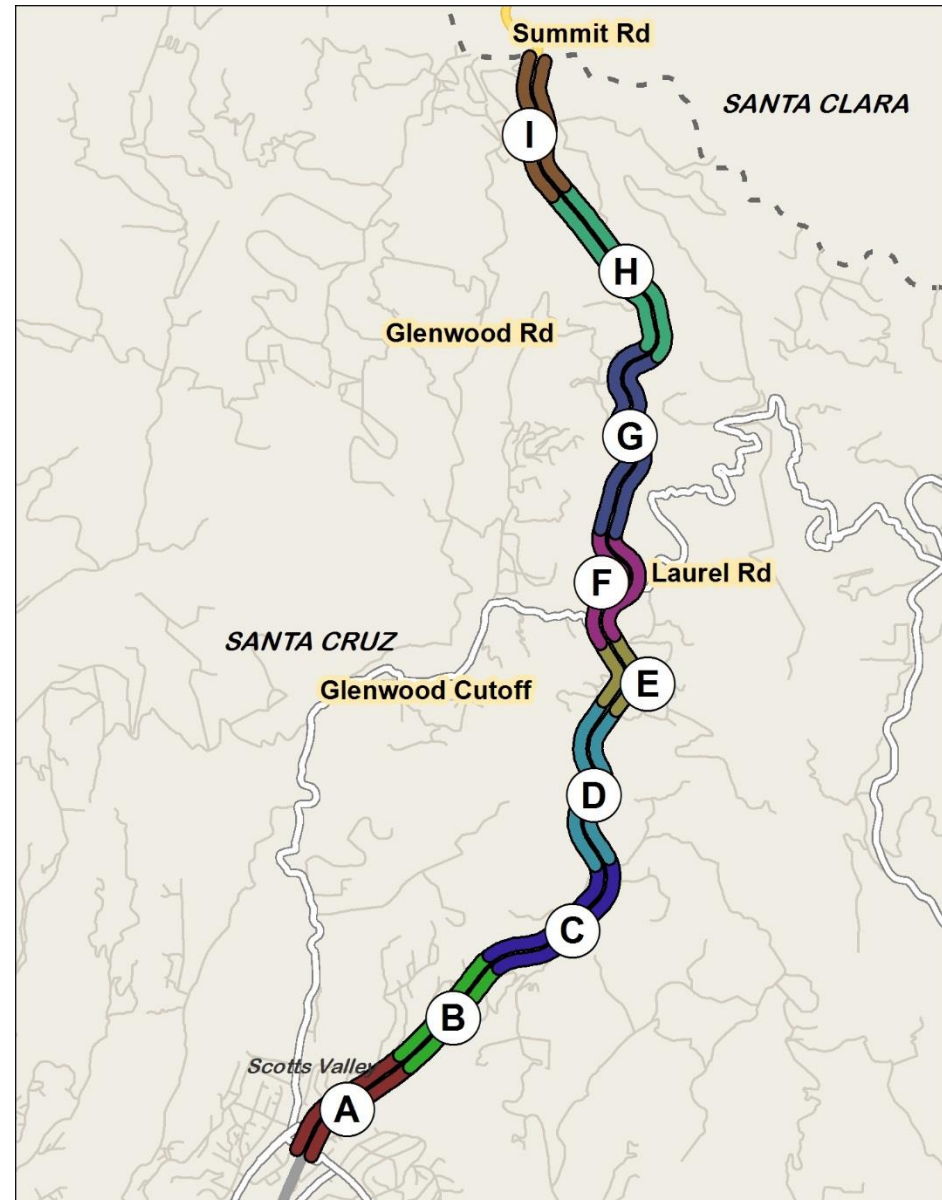
PERFORMANCE ASSESSMENT



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PERFORMANCE ASSESSMENT

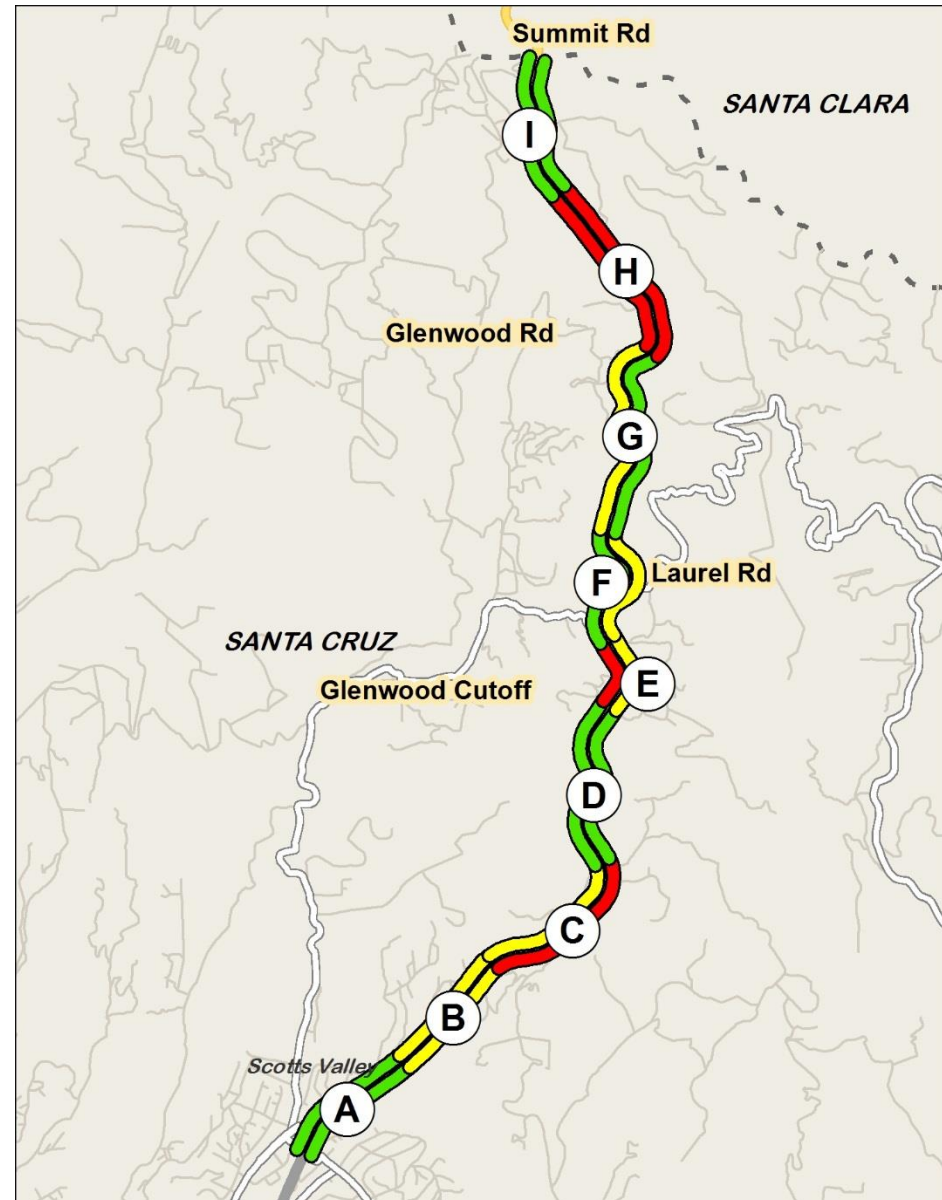
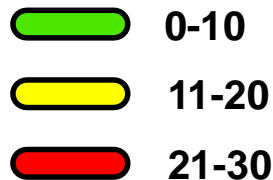
- Key access management characteristics:
 - Mobility
 - Access
 - Safety
- 18 segments



MOBILITY PERFORMANCE

- Median Barrier Coverage
- Median Barrier Openings
- Trip Generation

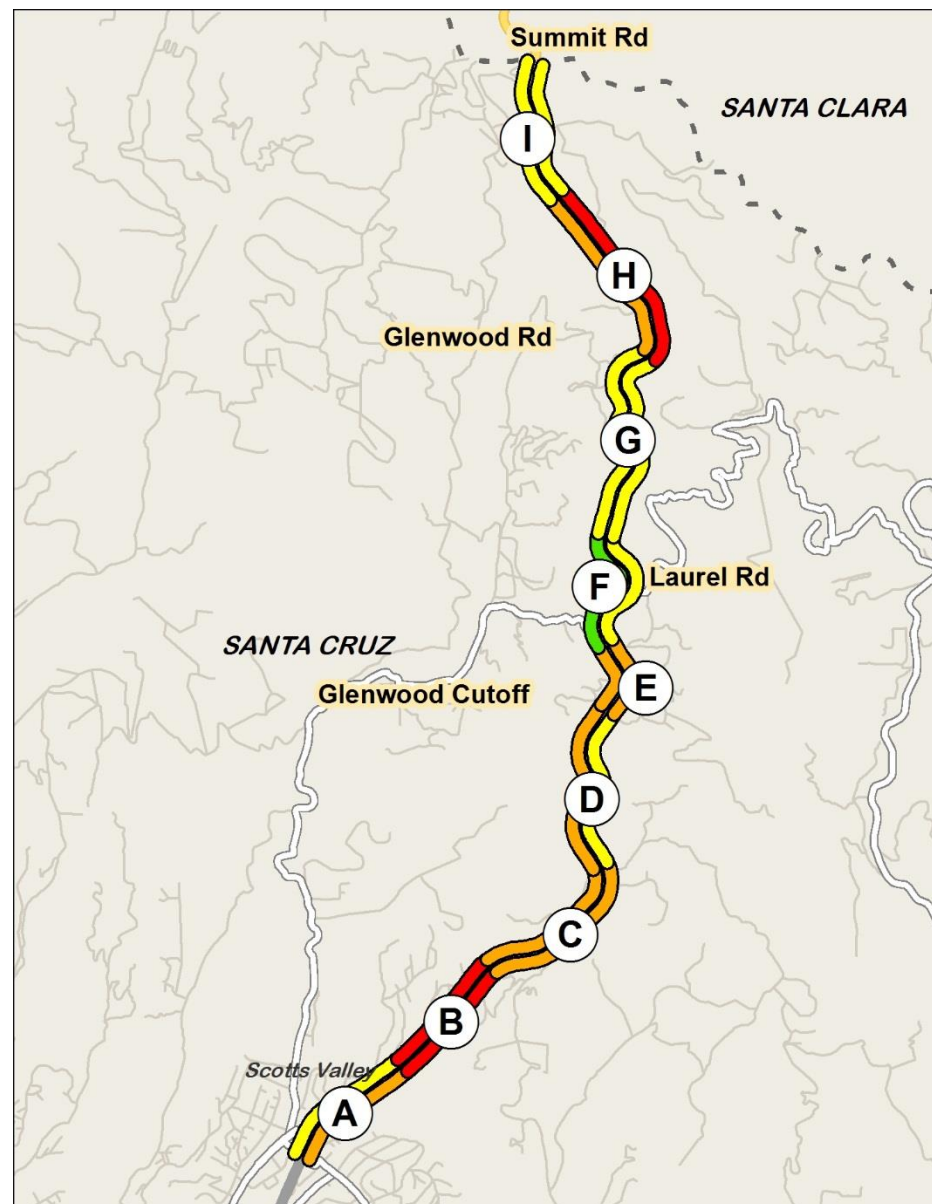
MOBILITY SCORE



ACCESS PERFORMANCE

- Access Points
- Access Point Density
- Access Point Clustering
- Addresses Served

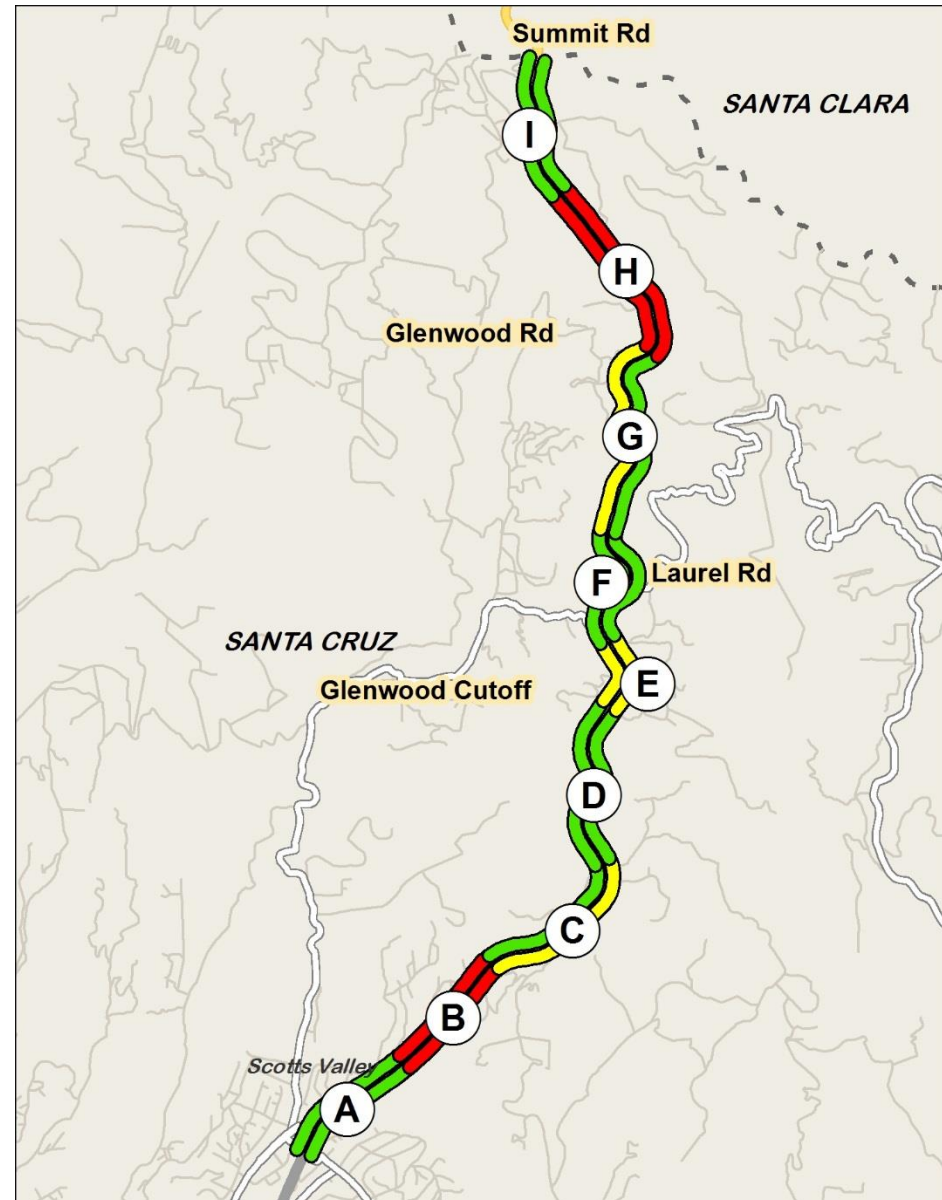
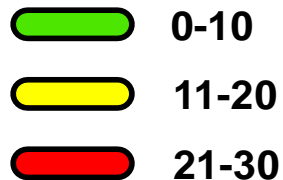
ACCESS SCORE



SAFETY PERFORMANCE

- Conflict Points
- Crossing Conflict Points
- Conflict Point Density

SAFETY SCORE

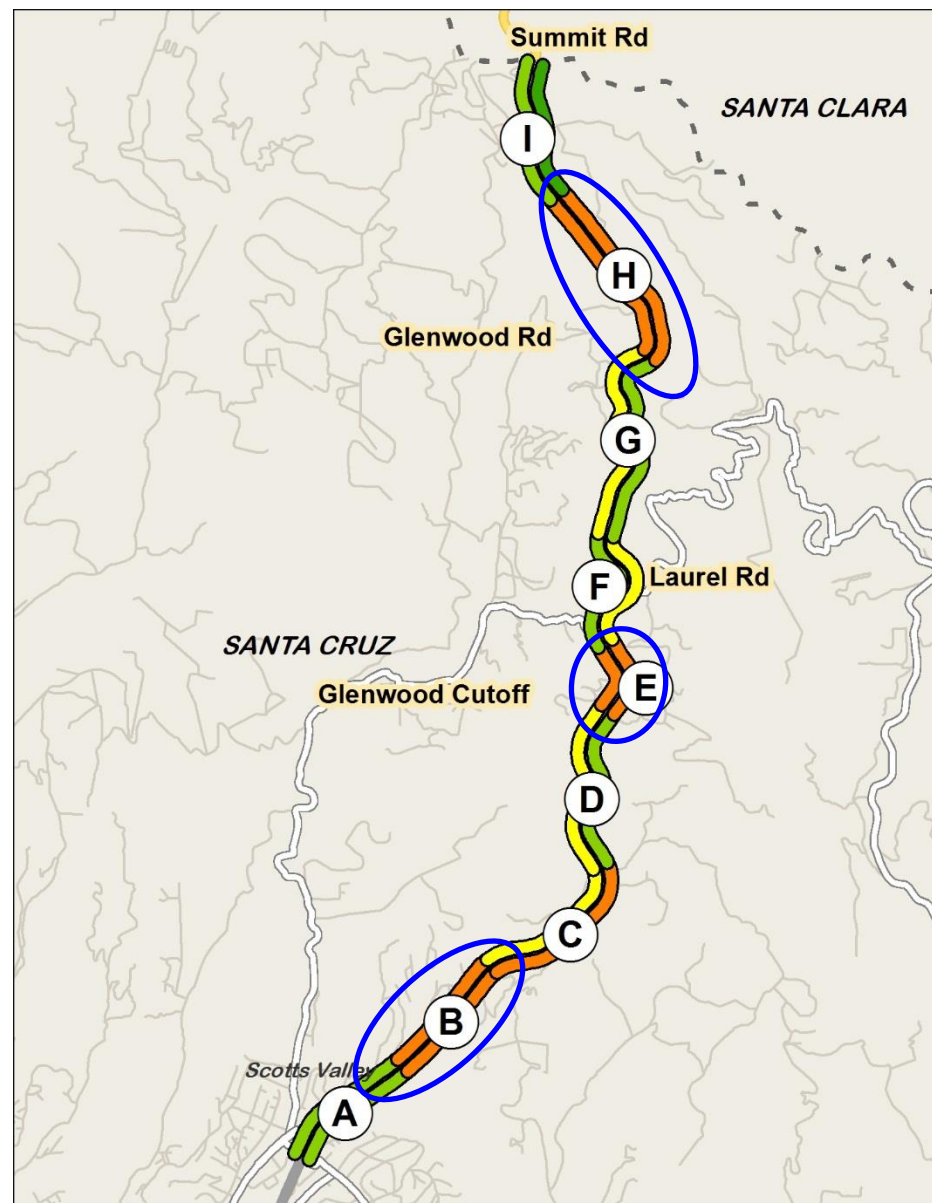
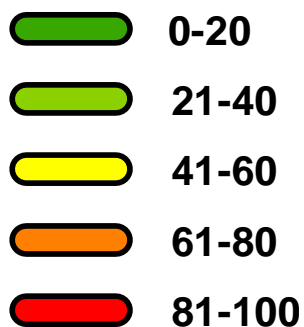


OVERALL PERFORMANCE

Segment Needs

1. B – Northbound (79)
2. H – Northbound (78)
3. B – Southbound (77)
4. H – Southbound (72)
5. E – Southbound (71)

TOTAL SCORE



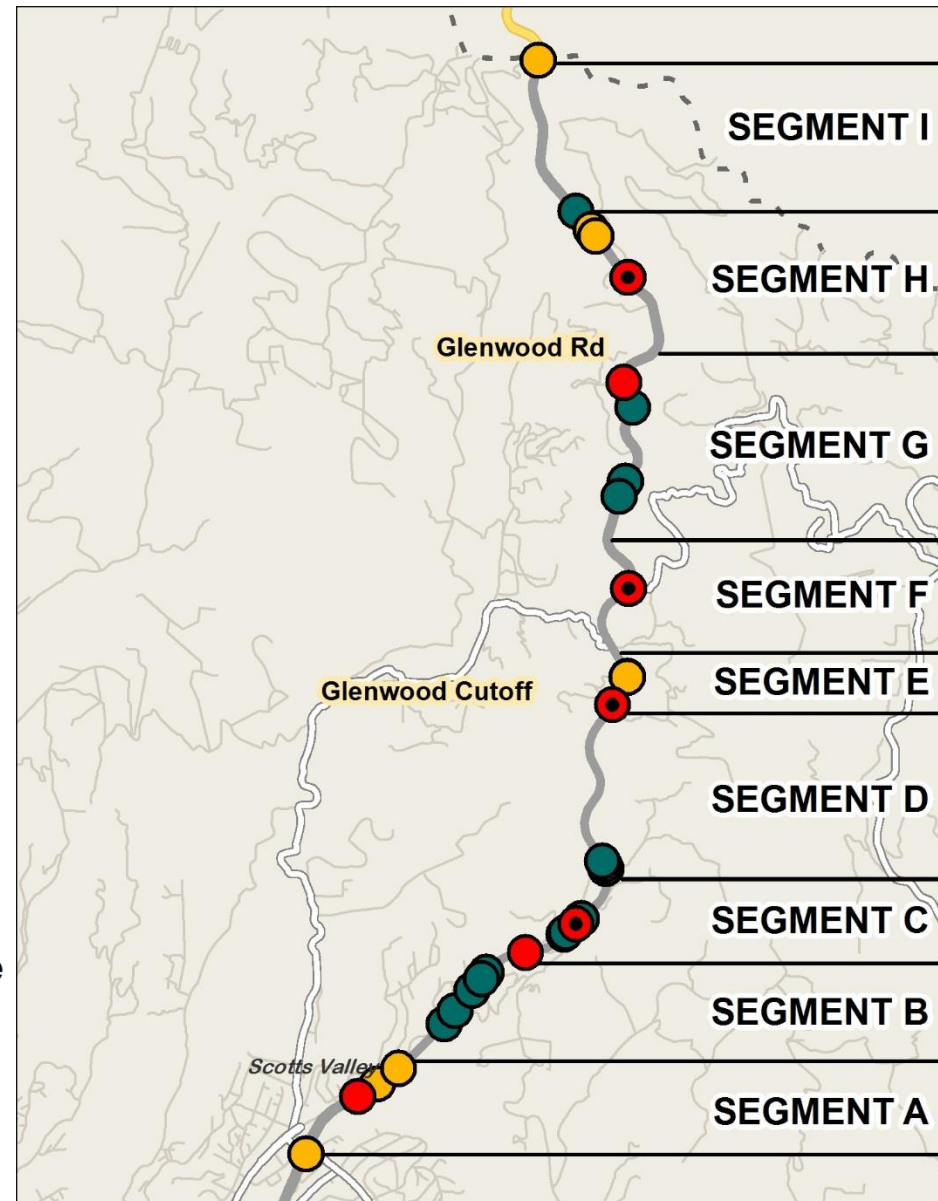
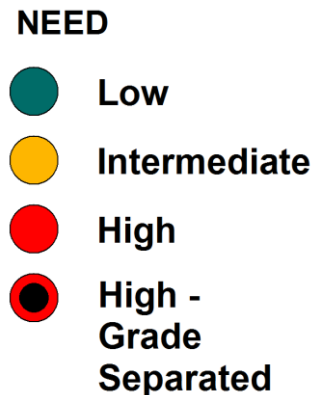
DRAFT CONCEPT OVERVIEW



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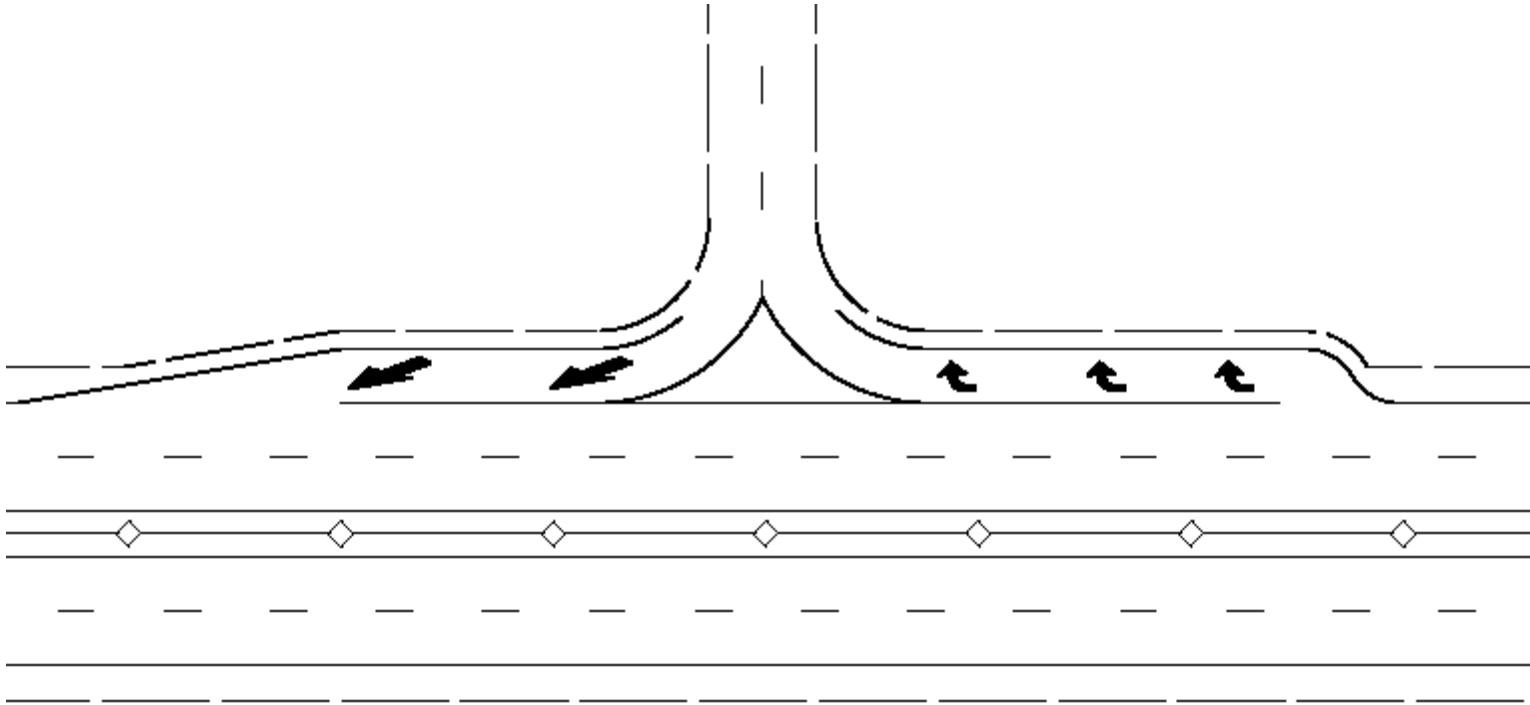
Draft Concept Overview

- 36 concepts
- Ranging need, scale, & location



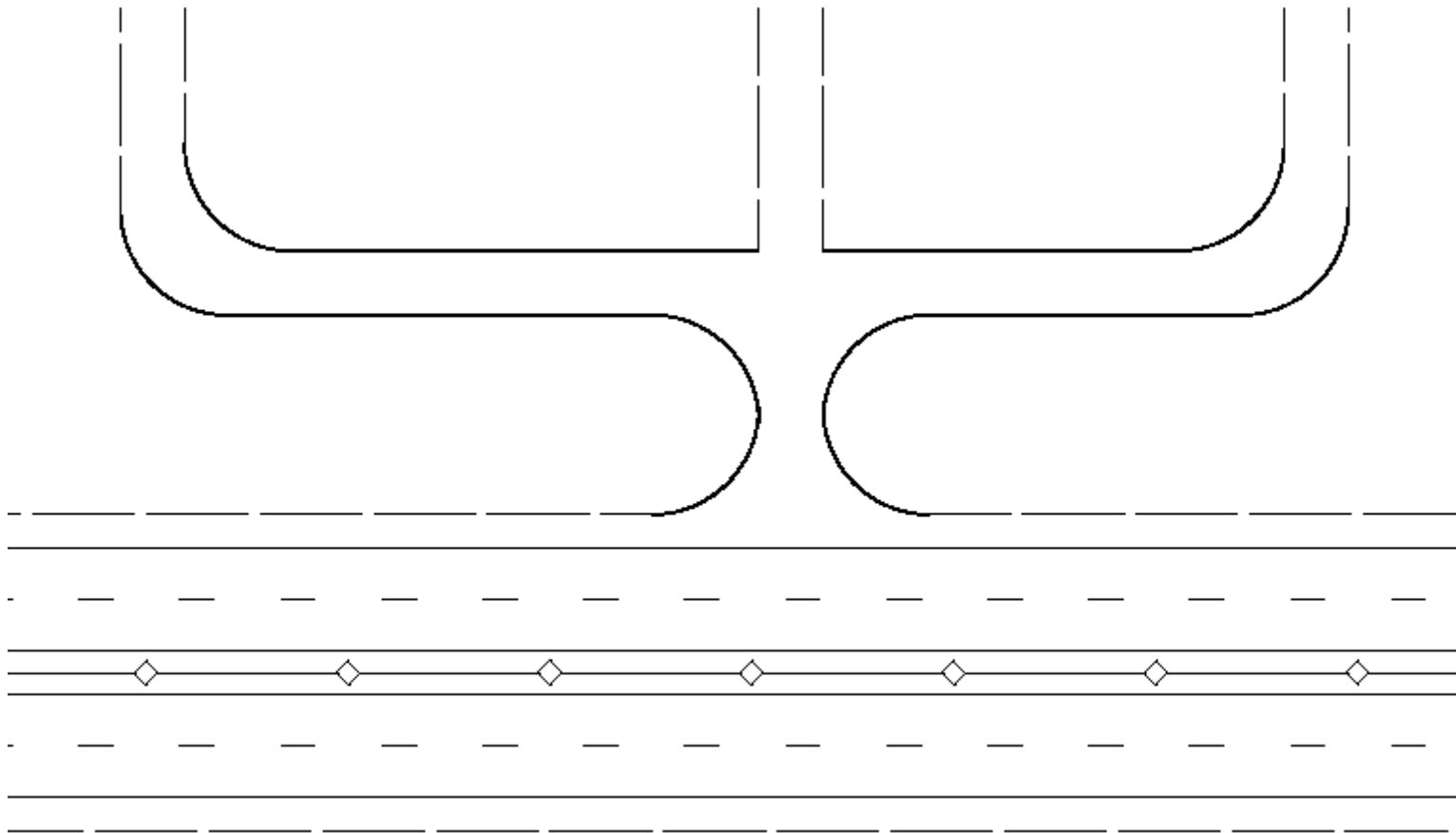
Draft Concept Example

- Turn Channelization



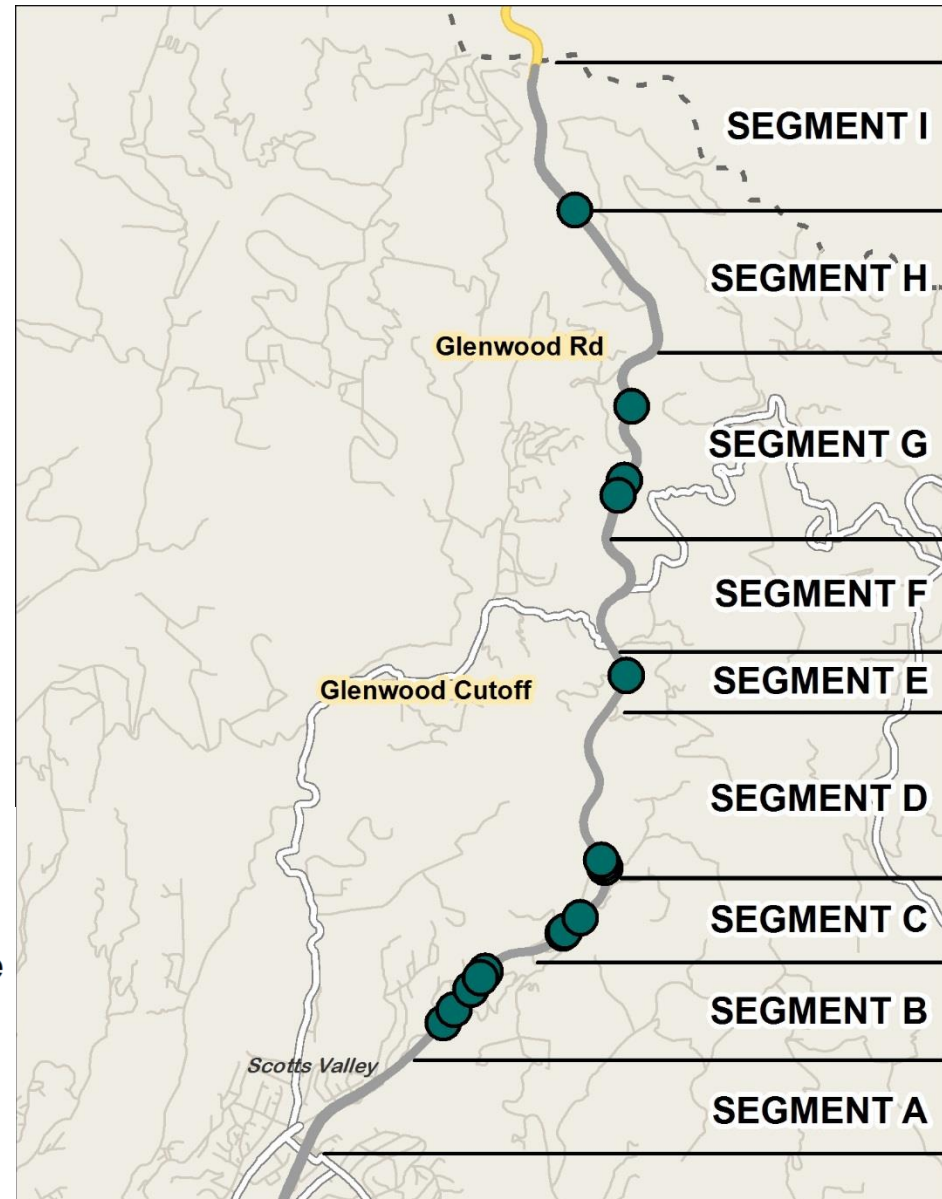
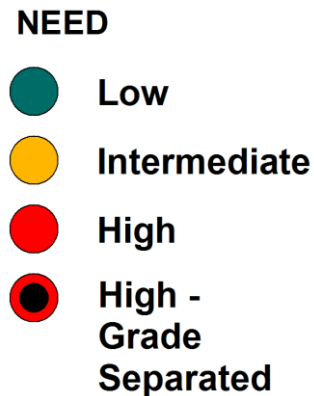
Draft Concept Example

- Driveway Improvements



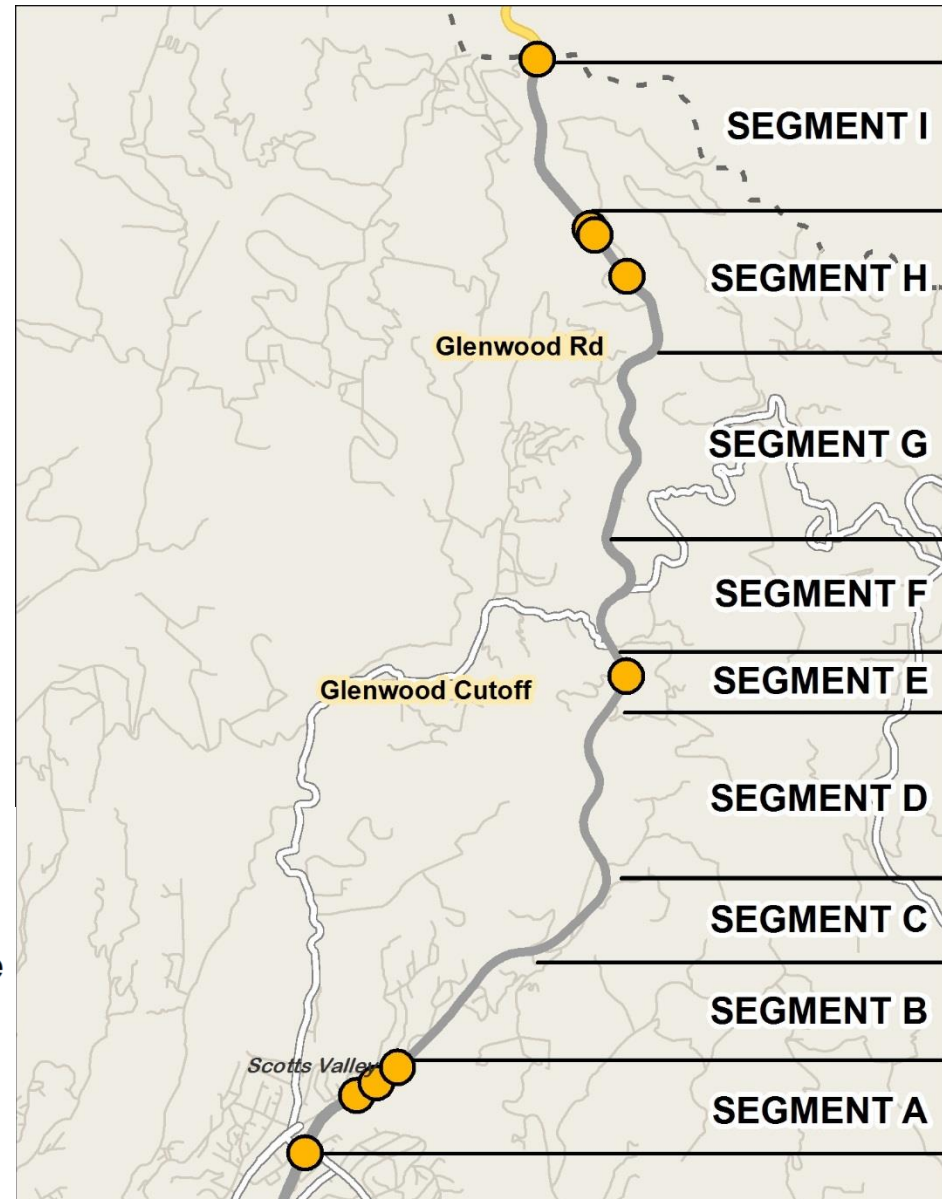
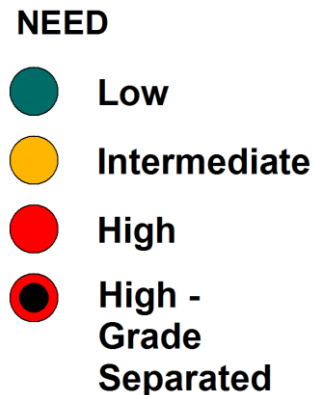
Low Need

- 17 Concepts



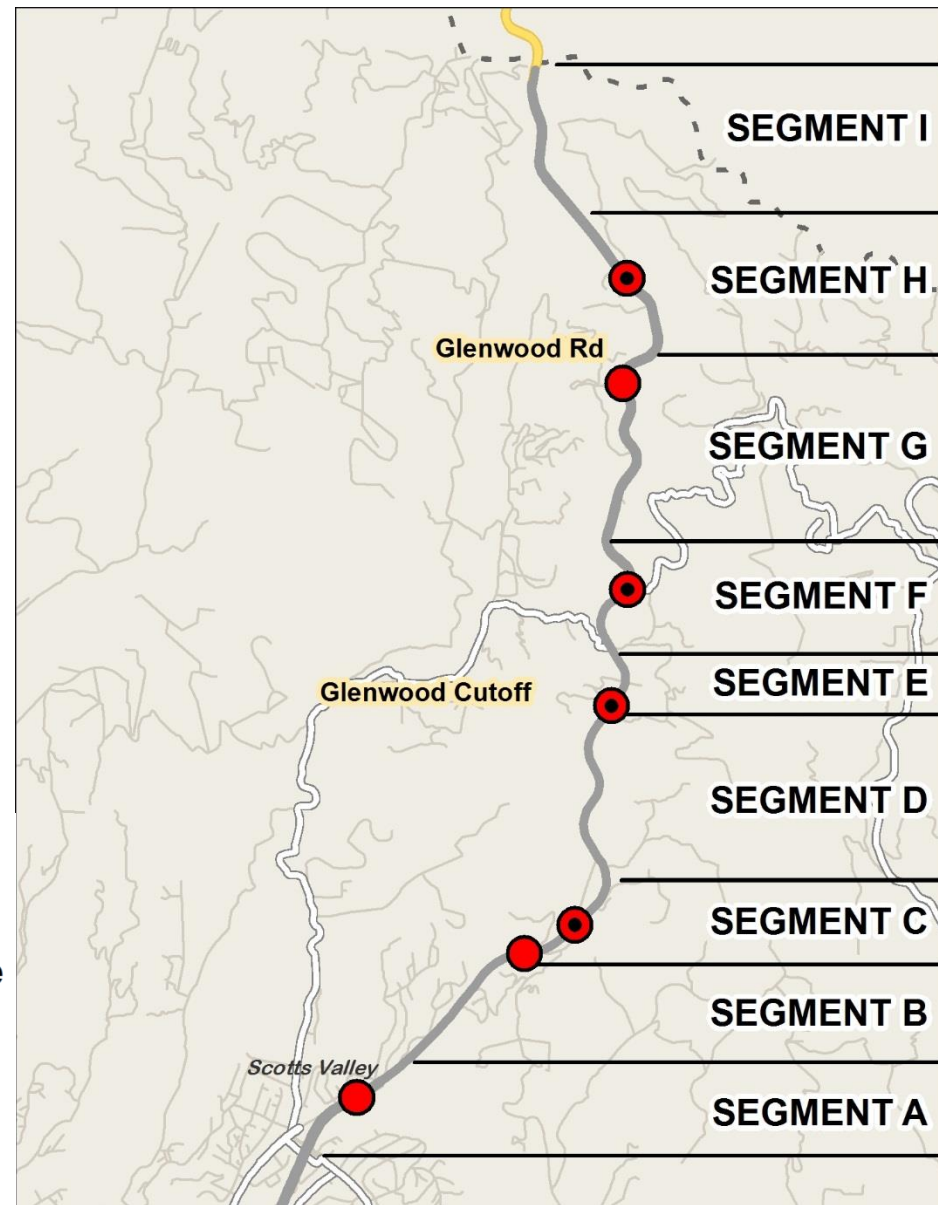
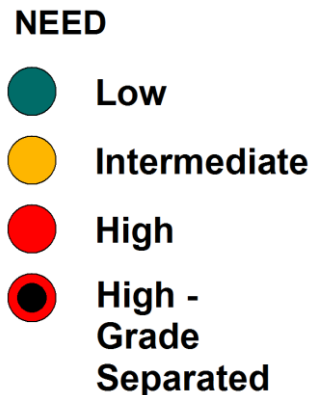
Intermediate Need

- 11 Concepts

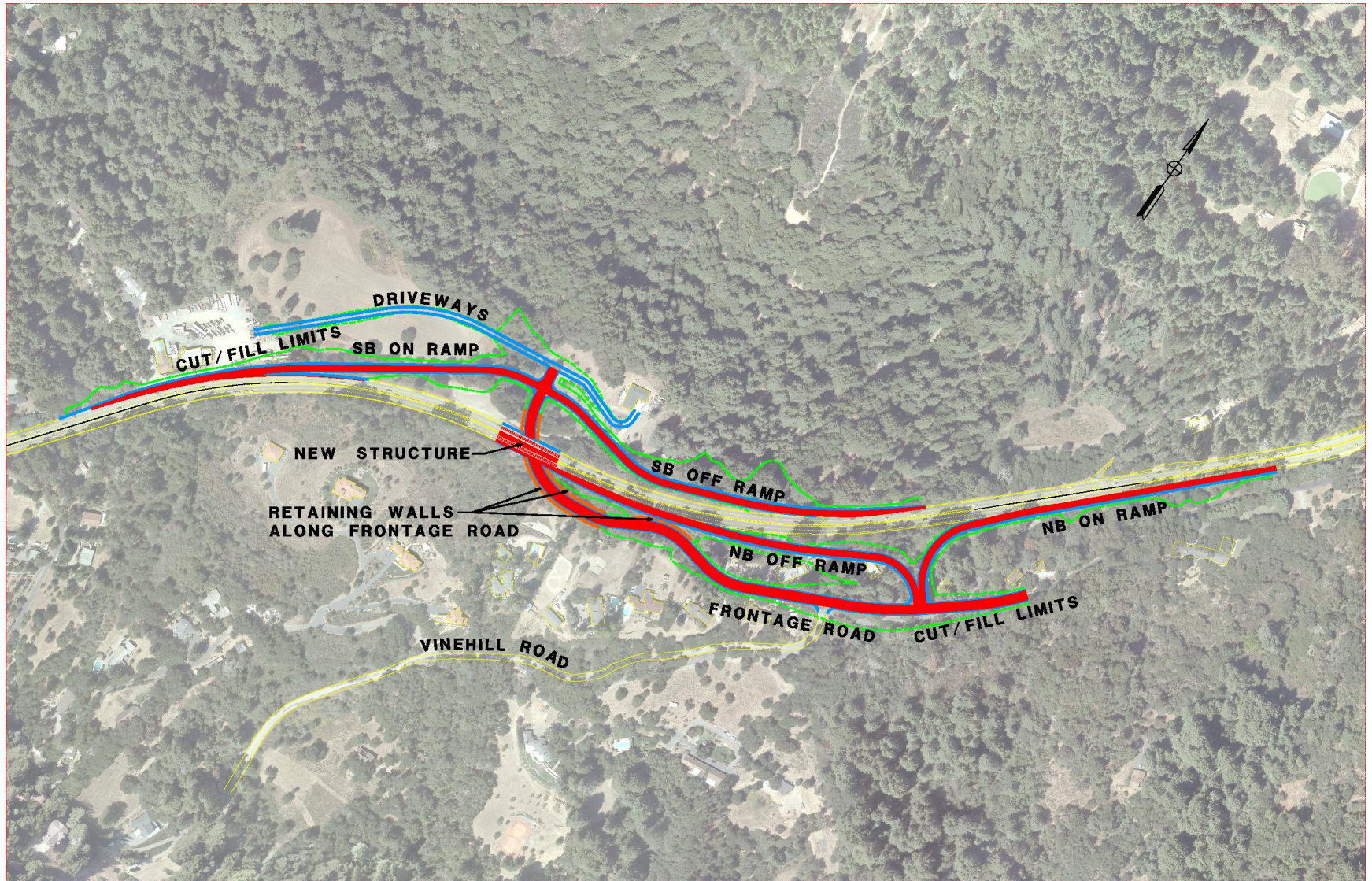


High Need

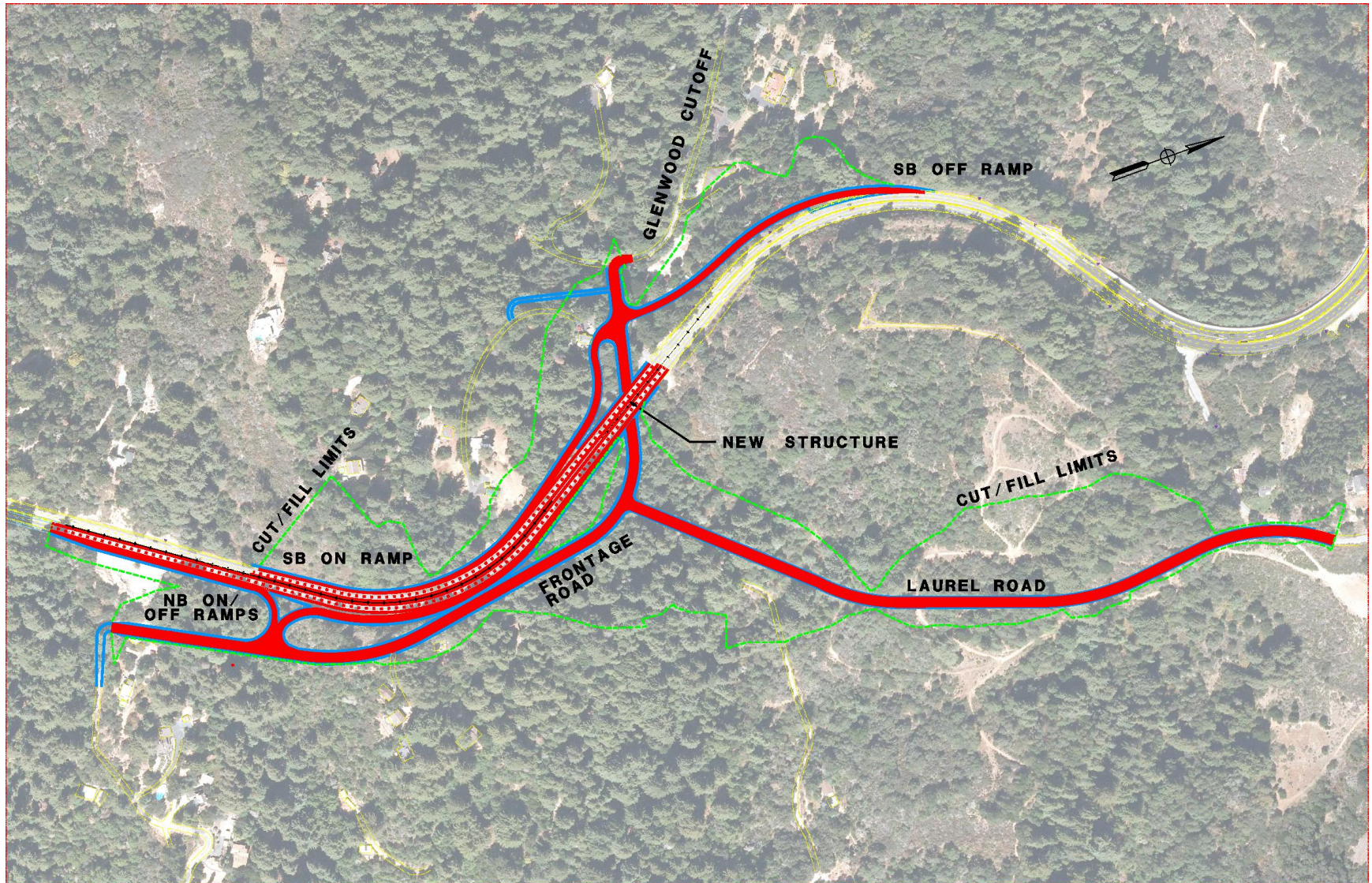
- Includes 3 grade-separated concepts
 - Vine Hill
 - Laurel/Sugarloaf/
Glenwood Cutoff
 - Old Santa Cruz



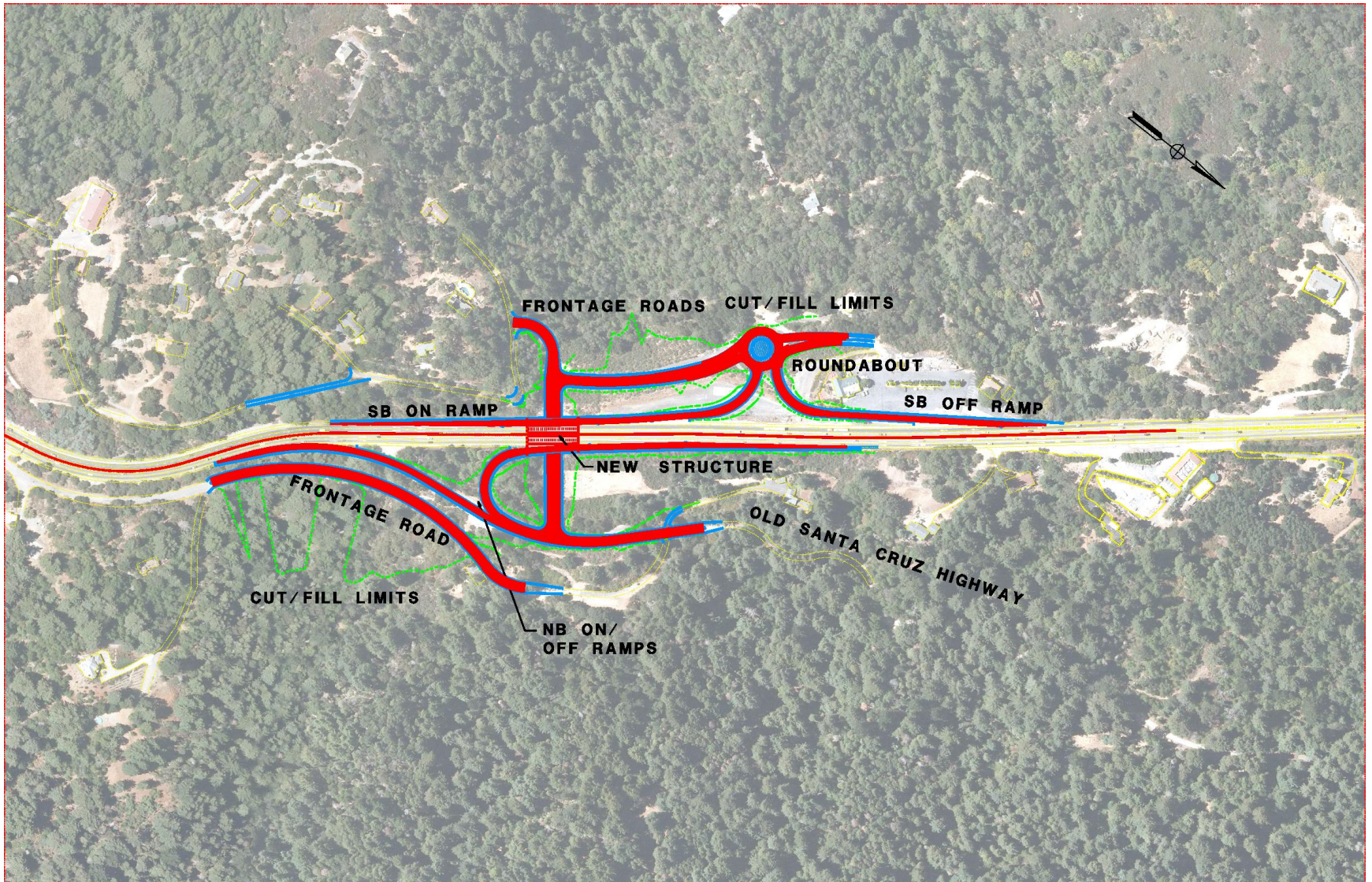
Vine Hill Road



Sugarloaf-Glenwood Cut-Laurel



Old Santa Cruz Hwy



Concept Improvements

- Performance Measures

- Conflict Points Reduced

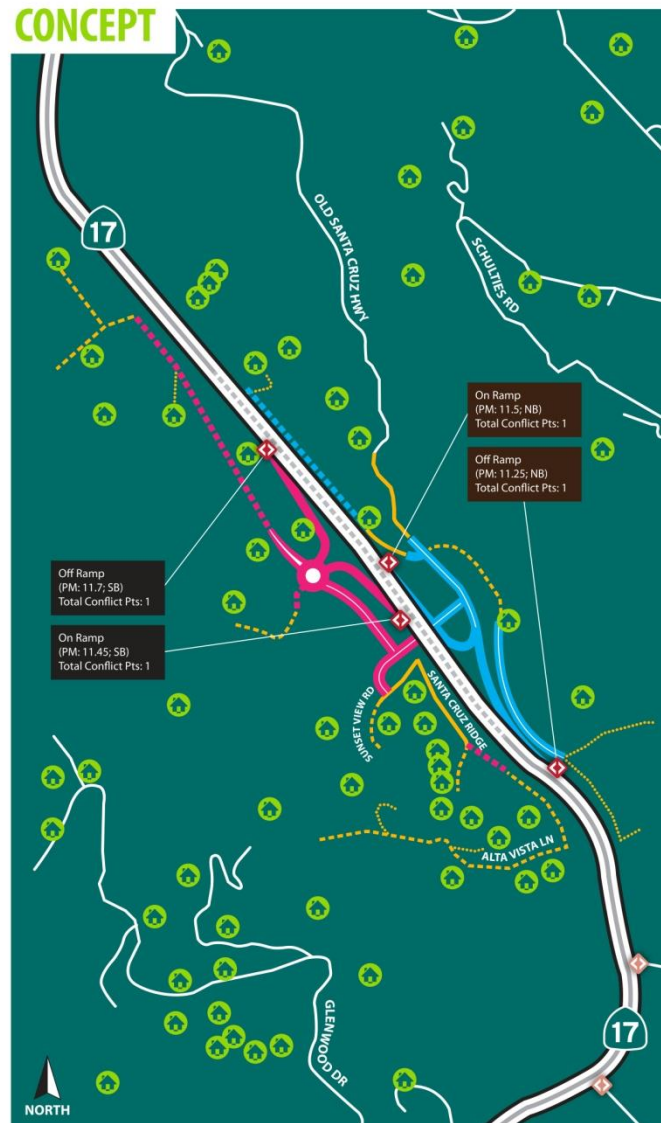
- Low Need – Approx. 25%
 - Intermediate Need – Approx. 70%
 - High Need Grade Sep. – 64%
 - Full Implementation – 50%
 - Median barrier coverage
 - 100% with Full Implementation
 - Close openings at Crescent Drive, Vine Hill Road, Sugarloaf Road, Glenwood Cutoff, Glenwood Drive, & Old Santa Cruz Highway

INTERCHANGE CONCEPTS DISCUSSION

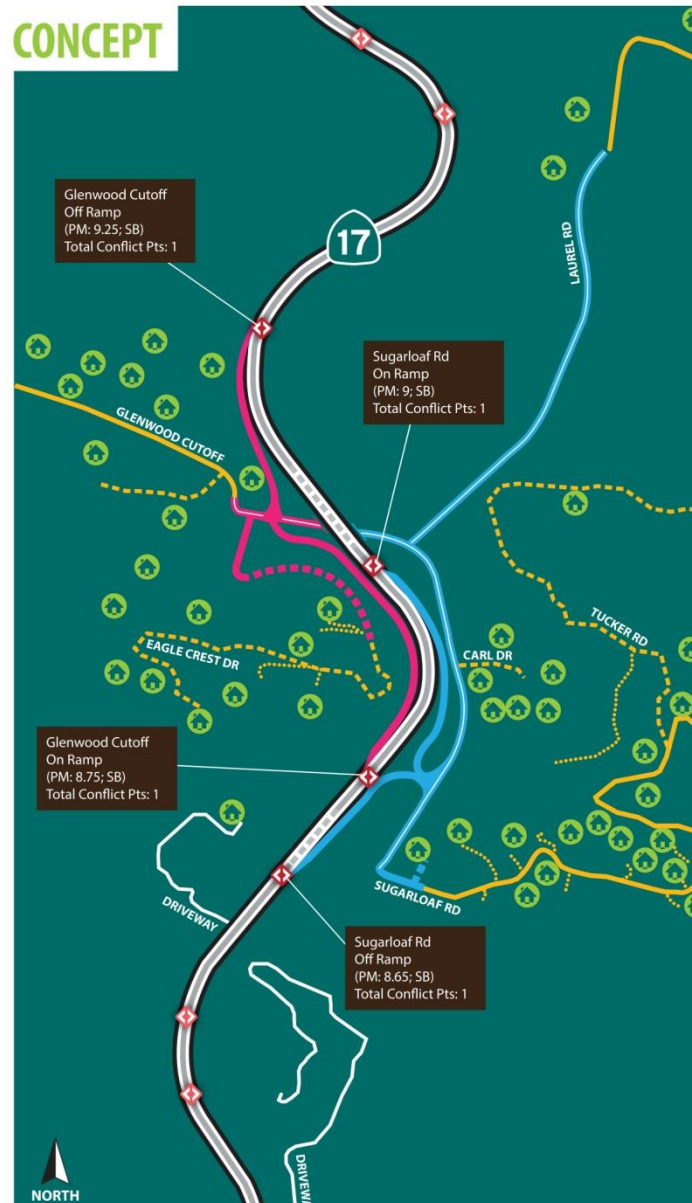


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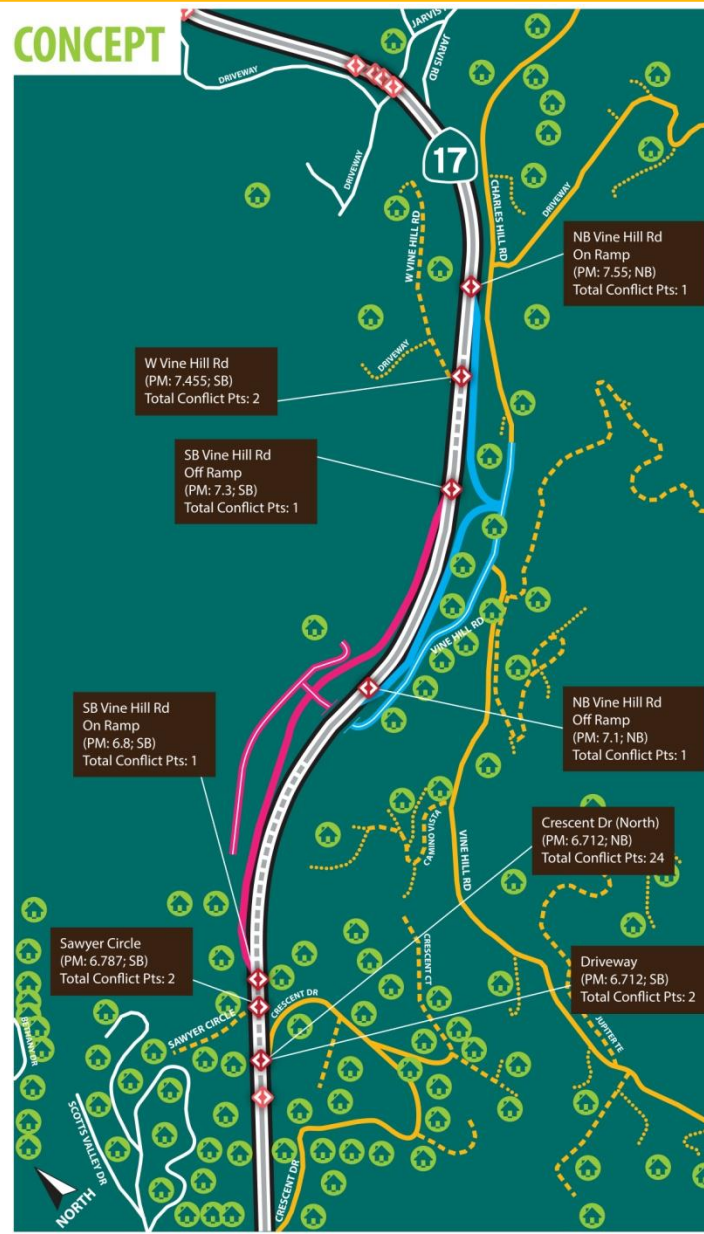
Old Santa Cruz Highway



Sugarloaf/Laurel Road/Glenwood Cutoff



Vine Hill Road



NEXT STEPS

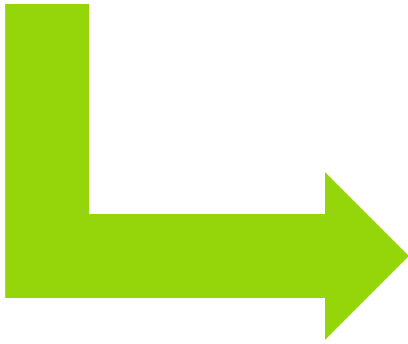


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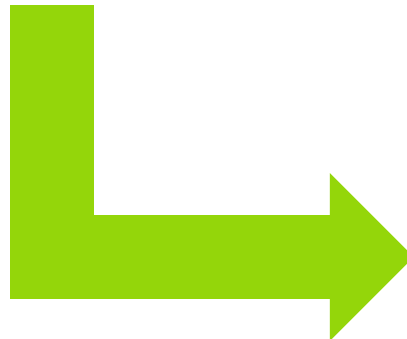
Next Steps



Refine
concepts



Finalize
report



Regional
planning
integration



ACCESS MANAGEMENT PLAN

Questions & Discussion

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